



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-490
Lot Number	001150-0120151201
Product	Adenosine
	Adenine-9- β -D-ribofuranoside
	Adenine riboside
CAS Number	58-61-7
Molecular Formula	C ₁₀ H ₁₃ N ₅ O ₄
Molecular Weight	267.24

Appearance	White or almost white crystalline powder
Melting Point	233-234 °C
Heavy Metals	< 10 ppm
Anion	Limit of Chloride (Cl ⁻): < 0.007% Limit of Sulfate (SO ₄ ²⁻): < 0.02%
Cation	Limit of Ammonia (NH ₄ ⁺): < 0.0004%
Acidity & Alkalinity	Complies to USP
Optical Rotation	[α] _D = -71°
Infrared Spectrum	Conforms to structure
Loss on Drying	0.1%
Related Substances	Adenine: 0.0% Guanosine: 0.1% Uridine: 0.0% Inosine: 0.0% Total impurities: 0.4%
Residue On Ignition	0.10%
Assay by titration	100.6% (Anhydrous basis)
Purity by HPLC	Conforms to USP
Grade	USP
Storage	Store at 0-8 °C

Prepared by:

Ramesh Mandadi

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Director of Operations

Reviewed and approved by:

Sujata Moton

S. Moton

VP